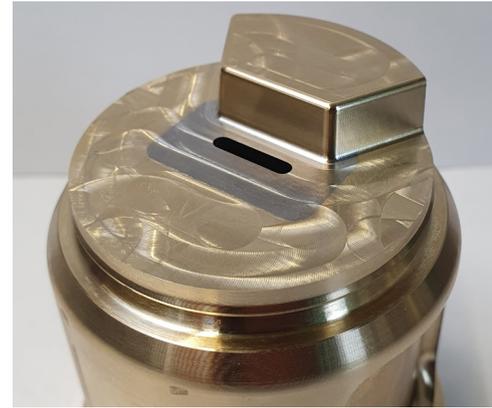


HYBRID PRODUCTION

We have added the possibilities of hybrid production technologies to our product portfolio. With our new Lasertec hybrid machine we create a perfect combination of additive manufacturing and conventional milling. In this way, we create completely new possibilities in the design of injection moulds to further increase your productivity. Ideal material combinations in a single operation increase production efficiency and subsequently the performance of the moulds.

Of course, we can also offer these advantages tailor-made in areas other than mould making. Contact us, we have the right solution for you.

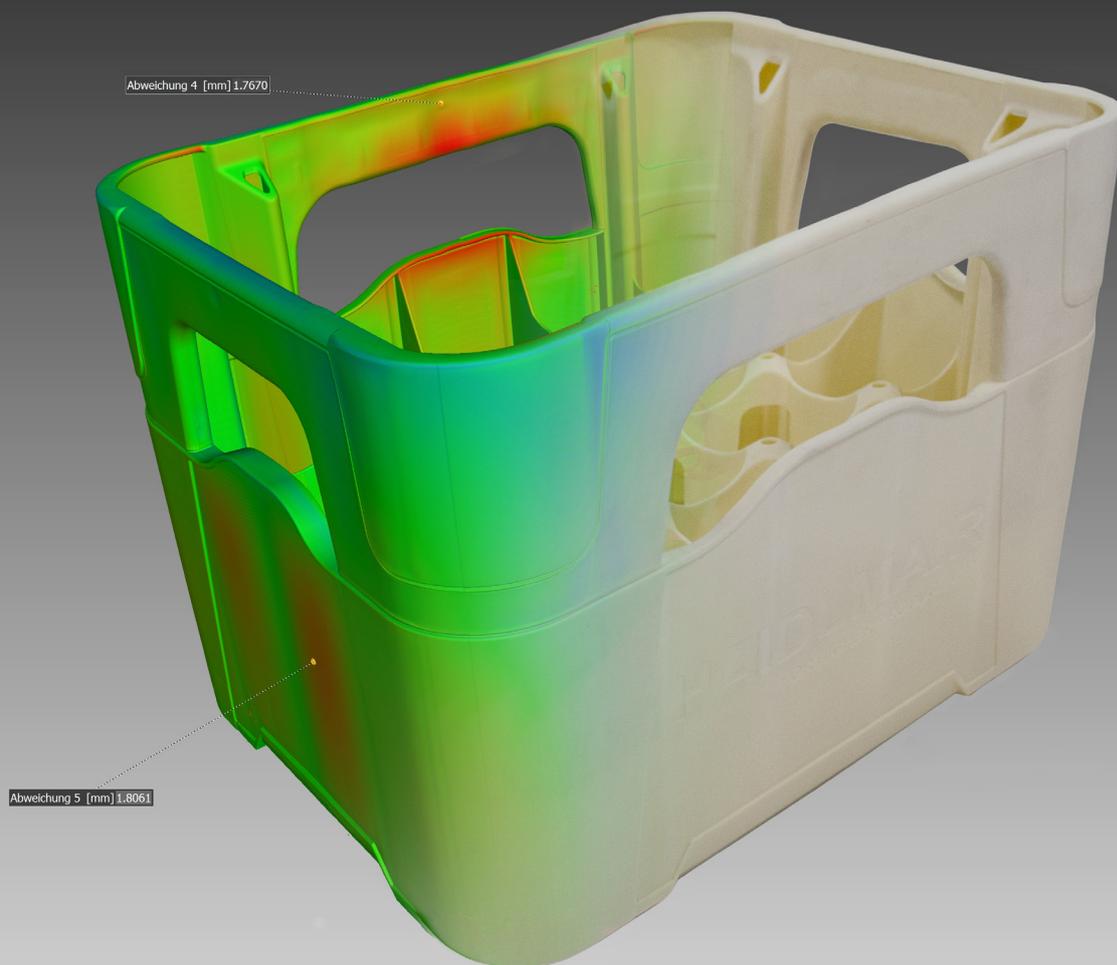


PLASTICS 3D-PRINTING

Plastics 3D-printing is especially suitable for the prototyping of your product ideas. Therefore you can optimise your products before the actual production begins. In addition, HAIDLMAIR also offers customised mould manufacturing packages.

- Prototyping of parts of an unsurpassed size
- Up to a size of 914 x 610 x 914 mm
- Materials: ASA, nylon 12 (for flexible applications), further on request
- Material colors: Ivory and black, dark grey, light grey, red, blue, green, orange, yellow, white
- Layer thickness (slices): T12 nozzle: 0.17 mm, T16 nozzle: 0.25 mm, T20 nozzle: 0.33 mm
- Wall thickness: min. 0.5 - 1 mm
- Accuracy: min. +/- 0.5 mm





ADVANCED TECHNOLOGIES

FOR HIGHER PRODUCTIVITY



[haidlmair.com](https://www.haidlmair.com)



ADVANCED TECHNOLOGIES

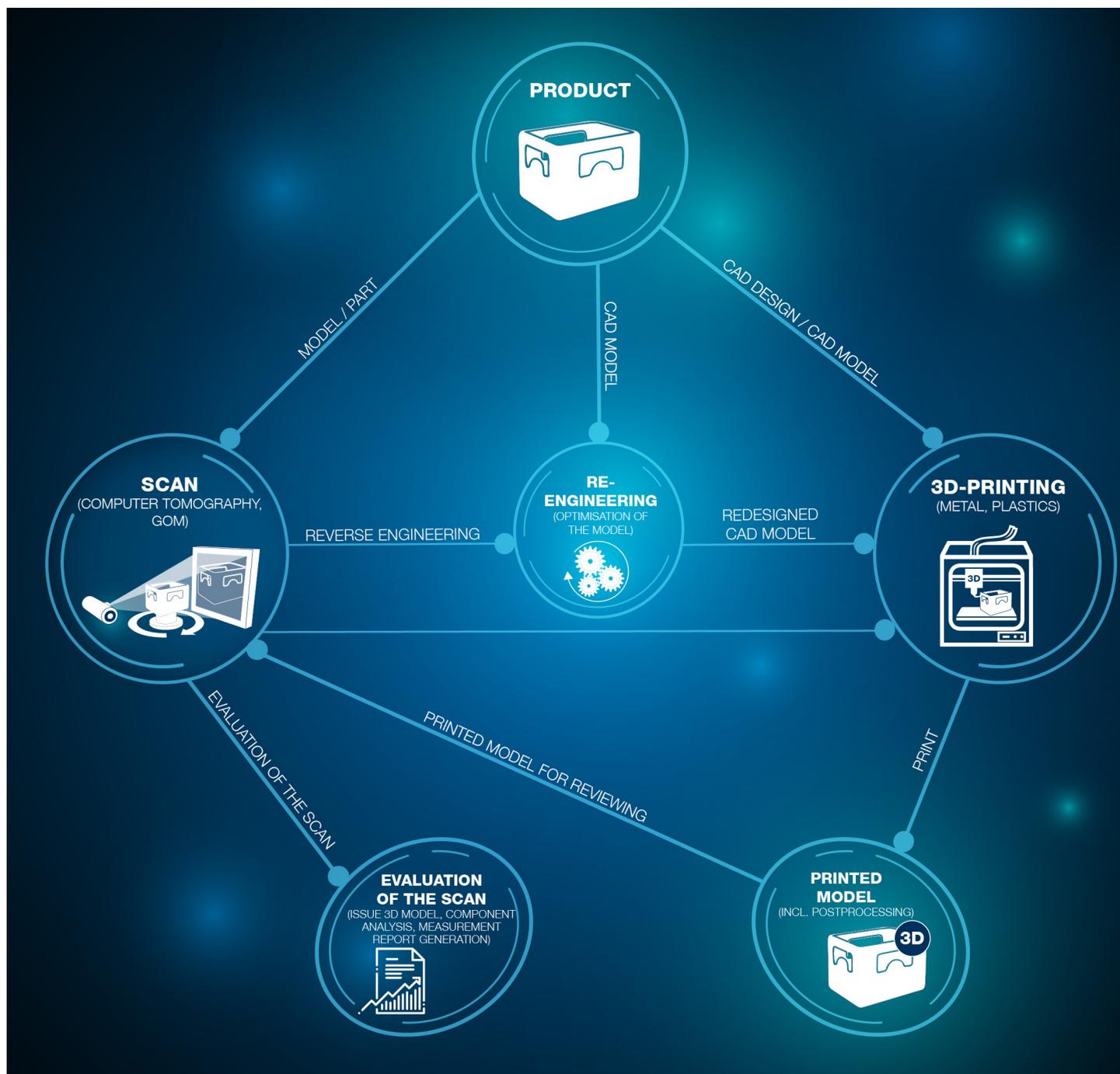
The new department „Advanced Technologies“ at HAIDLMAIR combines services in the fields of computer tomography, measurement technology and 3D printing.

The special advantage consists of the combination of the comprehensive know-how of the HAIDLMAIR specialists and the use of the most modern machines and measuring instruments. HAIDLMAIR offers with the „Advanced Technologies“ examinations of your products down to the very bottom or surface analysis, in which no small flaw remains undetected.

To get the most out of your product, all analysed surfaces can easily and simply reversed for example for 3D-printing.

Let us inform you about your individual possibilities. We are happy to advise you!

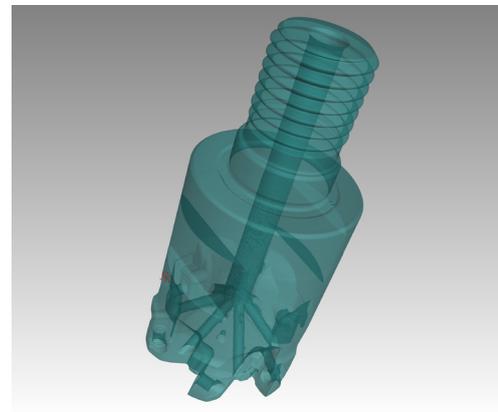
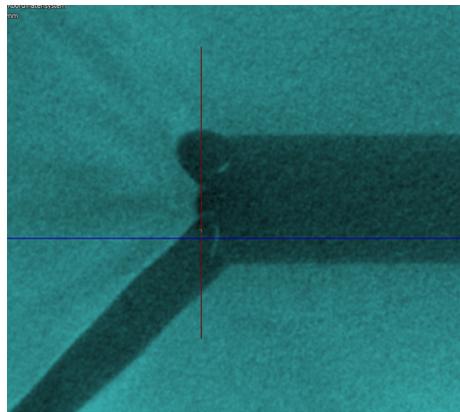
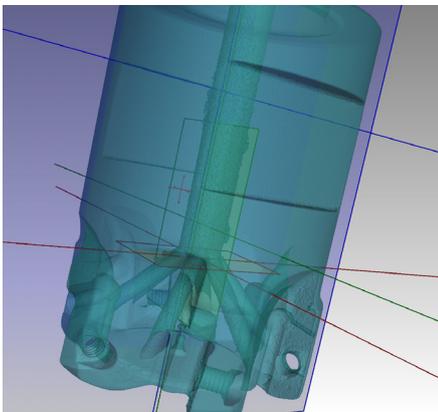
**FOR
HIGHER
PRODUCTIVITY**



COMPUTER TOMOGRAPHY

HAIDLMAIR offers with the largest industrial computer tomograph Yxlon CT Modular, a perfect instrument for carrying out material and product tests at the highest level for its customers. Especially for quality assurance, the high depth of analysis plays a particularly important role.

- Fields of application: defect analysis, target-actual comparison, metrology, reverse engineering, fibre analysis
- 320 kV minifocus X-ray tube and 225 kV microfocus for excellent radiography and highest resolution
- Line detector for extra-large test parts up to 1.250 mm diameter
- Scan height up to 1.250 mm
- Flat-panel detector for fast CT-scans and highest resolution
- Manifold CT-scanning modes (helix, scanfield extension, vertical CT-scan stitching)



MEASUREMENT TECHNOLOGY

With its measuring instruments, HAIDLMAIR has nearly unlimited possibilities to carry out surface measurements on various parts. The HAIDLMAIR experts have years of experience and guarantee you a precise analysis.

- Surface measurement with GOM ATOS III TS and photogrammetry (surfaces from approx. 40 mm to approx. 10 m)
- Microscopic surface measurement with Alicona Infinite Focus (surfaces of <1 mm to approx. 30 mm)
- 3D-modeling with PHANTOM FreeForm
- Reversed Engineering with Geomagic Wrap

